

Date: Thu, 24 Jun 93 04:30:03 PDT  
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>  
Errors-To: Packet-Radio-Errors@UCSD.Edu  
Reply-To: Packet-Radio@UCSD.Edu  
Precedence: Bulk  
Subject: Packet-Radio Digest V93 #181  
To: packet-radio

Packet-Radio Digest                      Thu, 24 Jun 93                      Volume 93 : Issue 181

Today's Topics:

ARRL Questionnaire (N.E. Division)  
ARRL vs Jurassic Park  
Baycom 1.5 Manual in English  
Digital microwave project  
External Modems on cheap TNCs  
GP SITE FOUND  
JNOS,FBB and G8BPQ  
Kantronics KPC-4 For Sale  
KISS mode advantages?  
Looking for adres of Grafex (2 msgs)  
Sat Elements on Internet  
TCP/IP Help, please  
TNC/Multi-Mode Controller Recommendations

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>  
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: Wed, 23 Jun 1993 17:25:40 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!noc.near.net!  
squam.banyan.com!banyan.com!dts@network.UCSD.EDU  
Subject: ARRL Questionnaire (N.E. Division)  
To: packet-radio@ucsd.edu

Hank Oredson @ Mentor Graphics wrote a long flame about the fact that another  
survey was being done by someone at ARRL. Let me answer his concerns from a  
member's perspective:

I am a member within the New England Division (I gather from your email address that you are not in New England). I feel that it is QUITE APPROPRIATE for a division director to solicit input from that division's membership on ANY issue on which that director needs input.

The Digital committee made recommendations to the Board of Directors, true. I am pleased to hear that my division director ALSO wants to hear input directly from the membership. Is there some problem with that?

Have you ever written a letter to Congress? Did you only send the letter via the committee that was handling a particular issue? I'll bet that you sent copies also to your own representative, the person who will cast YOUR vote on the issue.

This is how democracy works. Debate is GOOD for democracy. Gathering information from as many sources as possible to ensure the most informed positions in a debate is GOOD democracy in action.

Dan Senie N1JEB

— —

Daniel Senie  
Banyan Systems, Inc.  
508-898-1188

Internet: dts@banyan.com  
Compuserve: 74176,1347  
Packet Radio: N1JEB@WA1PHY.MA

Date: Wed, 23 Jun 1993 15:53:47 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!cs.utexas.edu!hermes.chpc.utexas.edu!  
news.utdallas.edu!corpgate!nrtpa038!harp@network.UCSD.EDU  
Subject: ARRL vs Jurassic Park  
To: packet-radio@ucsd.edu

QUESTION: What is the difference between ARRL and Jurassic Park?

ANSWER: One is a high tech theme park dominated by dinosaurs, the other  
a movie by Steven Spielberg.

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*****
* Alan Harp K4PB      *      Bell-Northern Research      *      CW FOREVER      *
* mail: harp@bnr.ca  *      Research Triangle Park, NC   *
*****
```

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Date: Wed, 23 Jun 93 13:43:31 GMT  
From: pipex!uknet!uos-ee!ee.surrey.ac.uk!M.Willis@uunet.uu.net  
Subject: Baycom 1.5 Manual in English  
To: packet-radio@ucsd.edu

Does anyone have a copy of the help file for the package in English. I have the  
German version but all documentation is in German, so understanding it is a bit  
tricky. I have just attempted to upgrade from version 1.2, so there are many  
differences.

73 Mike

-----  
Date: 23 Jun 1993 20:13:21 GMT  
From: sun-barr!korie!male.EBay.Sun.COM!exodus.Eng.Sun.COM!bender@ames.arpa  
Subject: Digital microwave project  
To: packet-radio@ucsd.edu

| Oh, definitely a trapazoidal toothed log-periodic antenna array. I think  
| radio shack sells these.

Not any more. They used to, but the guy said that they dropped them about  
the same time that they dropped the "Klystrons for Kids" 30-in-1 science kit.

mike

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MS-DOS is merely a non-reentrant interrupt handler. CP/M is God.  
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Date: 24 Jun 1993 07:45:03 GMT  
From: olivea!inews!ilx018.intel.com!ilx049!dbraun@uunet.uu.net  
Subject: External Modems on cheap TNCs  
To: packet-radio@ucsd.edu

Do all of the cheaper TNCs include a connection to  
hook up special (satellite, 2400baud) modems? The  
MFJ-1274 apparently does. Anyone know about the  
Kantronics KPC-3?

Thanx,

--

Doug Braun (N10WU)

-----  
Email: dbraun@iil.intel.com  
Intel Mail: IDC1-41  
iNet: 8-435-5069 Long Distance: 011-972-4-355069  
Fax: 8-435-5999 Long Distance: 011-972-4-355999  
Snail Mail: US: Other:  
PO Box 311 Intel Israel, Ltd.  
Mendham, NJ 07945 IDC1-41  
Matam Scientific Center  
Haifa, Israel 31015  
-----

"There is no human problem which could not be solved if  
people would simply do as I advise." -- Gore Vidal

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Date: 24 Jun 1993 05:04:17 GMT  
From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!cleveland.Freenet.Edu!  
da884@network.UCSD.EDU  
Subject: GP SITE FOUND  
To: packet-radio@ucsd.edu

There where a few of you who asked me where I got my copy of ver 1.50  
I had a reply from another user here, and said that a friend of his told him that  
he could find it at NIC.SWITCH.CH so there you are for all of you out there  
wanting version 1.50

73's all.

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Date: 23 Jun 93 18:37:30 CST  
From: usc!howland.reston.ans.net!darwin.sura.net!tulane!agwbbs!  
Angelo\_Glorioso\_Iii@network.UCSD.EDU  
Subject: JNOS,FBB and G8BPQ  
To: packet-radio@ucsd.edu

Hi All,

I hope I can get some help with this combo. I have been able to get G8BPQ and FBB to talk with each other with no problems.. Been running for months now. I am about to start to run JNOS here as a Gateway and I am having problems. I am using G8BPQ 4.06F and FBB5.15 and JNOS 1.8C.

Any help will be apperciated> Copies of one's AUTOEXEC.NOS file would be helpful too!!!

73 de Angelo

-- Via DLG Pro v0.995

Internet:angelo\_glorioso\_III@agwbbs.new-orleans.LA.US  
Usenet:rex!agwbbs!angelo\_glorioso\_III  
Packet:N5UXT @ N5UXT.#NOLA.LA.USA.NA  
Tcp/ip:N5UXT.AMPT.ORG [44.108.2.13]

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Date: Wed, 23 Jun 1993 13:20:35 GMT  
From: usc!howland.reston.ans.net!ux1.cso.uiuc.edu!uchinews!spssig.spss.com!  
feenix.metronet.com!marcbg@network.UCSD.EDU  
Subject: Kantronics KPC-4 For Sale  
To: packet-radio@ucsd.edu

I have a Kantronics KPC-4 Dual Port TNC for sale. It has the latest firmware. This is a FULL dual port unit, great for making a gateway.

It is in the box with all the manuals.

Please make an offer. The new prices at AES is \$269.

73 and thanks in advace!

--

Marc B. Grant, N5MEI            Internet: marcbg@feenix.metronet.com  
P.O. Box 850472                Telephone: 214-231-3998 (voice)  
Richardson, TX 75085-0472       214-231-0025 (fax)

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Date: Wed, 23 Jun 1993 17:08:07 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!gatech!asuvax!  
ennews!enuxva.eas.asu.edu!shandrow@network.UCSD.EDU  
Subject: KISS mode advantages?

To: packet-radio@ucsd.edu

I know that KISS mode is most useful for someone who is using tcp/ip or some other protocol.

I was just wondering, is it useful for those who have older tnc's and want to use some of the latest features? In other words, a smart computer program running the tnc which is set to dumb? Couldn't this allow older tnc's to have the latest features? It doesn't seem that the actual hardware protocol has changed since the tnc-1. Am I incorrect?

73 de nu7i

-----  
Date: 23 Jun 1993 15:48:23 +0200

From: usc!howland.reston.ans.net!paladin.american.edu!news.univie.ac.(!fuw.edu.pl!  
cyfronet!galaxy.uci.agh.edu.pl!galaxy.uci.agh.edu.pl!not-for-mail@network.UCSD.EDU

Subject: Looking for adres of Grafex

To: packet-radio@ucsd.edu

Can somebody tell me IP adress of grafex.cupertino.ca.us?

Reply to this group or e-mail me at: aksamit@uci.agh.edu.pl.

TNX in advance.

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Date: Wed, 23 Jun 93 17:16:43 -0800

From: pacbell.com!amdahl!grafex!ka6etb@network.UCSD.EDU

Subject: Looking for adres of Grafex

To: packet-radio@ucsd.edu

In <209mv7INNq6g@galaxy.uci.agh.edu.pl> aksamit@galaxy.uci.agh.edu.pl (Grzegorz Aksamit) writes:

>Can somebody tell me IP adress of grafex.cupertino.ca.us?

>Reply to this group or e-mail me at: aksamit@uci.agh.edu.pl.

>TNX in advance.

I have no IP address. GRAFex is a UUCP site hanging one jump off the internet backbone.

73 de KA6ETB

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Date: 21 Jun 93 10:02:38 EST

From: titan.ksc.nasa.gov!titan.ksc.nasa.gov!nntp@ames.arpa  
Subject: Sat Elements on Internet  
To: packet-radio@ucsd.edu

In article <9306170143.AA24801@nic.teale.ca.gov>, tking@oes.CA.GOV (Tom King)  
says:

>  
>Does anybody know where a public access port is for getting the latest  
>orbital elements?  
>  
>thanks, Tom  
>  
>Packet KA6SOX@K6TZ.#SOCAL.CA.USA.NA  
>Internet tking@oes.ca.gov  
>

Tom,

Yes, there is an excellent source for orbital "two line elements" via anonymous  
FTP at 129.92.1.66

They are under the directory Pub/Space. the file amateur.tle  
is for the amateur radio satellites. The file visual.tle is for satellites  
that are "visible" with the naked eye and the file tle.new is for all satellites  
visible or not. Also whenever there is a shuttle on orbit there will be  
elements posted for it! Look for sts-57.tle this week!

These elements appear to be updated every two days!

GOOD LUCK

Randy WB8ZAL

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Date: Wed, 23 Jun 1993 11:09:13 GMT  
From: swrinde!dptspd!news@network.UCSD.EDU  
Subject: TCP/IP Help, please  
To: packet-radio@ucsd.edu

In <1993Jun20.195731.10766@uvm.edu> pallack@emba-news.uvm.edu.UUCP (J'mes , , , )  
writes:

> this is cute (grin) I need to setup the software and no idea what most of  
> commands mean. Even after reading the docs. I usually use example configs  
> and work from that. Can't seem to find any of those either (grin)  
>  
> any suggestions?

Yep... I agree... I was just TOO busy to find what you needed:

Here is my autoexec.nos file: (your mileage may differ but it is a start!)

```
# A U T O E X E C . N O S
isat no
multitask no
mem eff on
mem nibufs 25
mem ibufsize 2048
#-----
ip address [44.76.2.44]
hostname kd4iz.ampr.org
#-----
attach packet 0x61 eth0 15 1024
attach asy 0x3f8 4 slip sl0 1024 256 9600
attach asy 0x2f8 3 ax25 1024 256 1200
ifconfig eth0 ipaddr 129.111.1.90
ifconfig eth0 linkaddress (xx:xx:xx:xx:xx:xx) #ethernet hardware address
ifconfig eth0 netmask 0x0000ffff
ifconfig eth0 broadcast 129.111.255.255
ifconfig loopback ipaddr 127.0.0.1
ifconfig loopback netmask 0x000000ff
ifconfig loopback broadcast 127.255.255.255
#-----
ip ttl 32
#-----
tcp timer linear
tcp mss 1024
tcp irtt 10000
tcp window 2048
#-----
log \nos\spool\net.log
#-----
route add default sl0 [129.111.1.13] # ethernet router
#-----
domain addserver [129.111.1.6] # thorin.uthscsa.edu
domain cache size 30
domain suffix ampr.org.
#-----
start discard
start echo
start finger
start ftp
#start pop
#start rip
start smtp
```



```

start telnet
start ttylink
#-----
fkey 61 "^b"
#-----
mbox motd "Jack is listening."
netrom alias MBI001
mbox atten no
mbox expert off
mbox nrid on
#-----
atte off
motd "Daneel <> Jack's TCP/IP Host"
smtp batch yes
smtp usemx on
smtp timer 600
#<endfile>

```

Some assumptions were made:

1. your machine is also on an ethernet and you have loaded a packet driver.  
If this is false. put a # in front of the lines that talk about "eth0"
2. You have domain service available.... if not you write a file with the local ampr.org users in it called "domain.txt" that looks like  
# DOMAIN.TXT  
w1aaa.ampr.org        IN        A        44.XXX.YYY.ZZZ  
w2bbb.ampr.org        IN        A        44.AAA.BBB.CCC  
(etc, etc.....)

This file helps you figure out what your friends IP addresses are..

3. You have a local router. If you dont... you should not be considering TCP/IP!....  
the line:  
route add default sl0 [129.111.1.13] # ethernet router  
should look like:  
route add default ax0 [44.AAA.BBB.CCC] # AX.25 router  
if your local network uses 44.AAA.BBB.CCC as a tcpip packet switch.

There is a file (and a BOOK) by Ian Wade called NOSView that contains all you need to get started. You may get the file by anonymous FTP from UCSD.EDU. (in directory /hamradio/packet/tcpip/nosview... its about 600KB!) Setting the system up right (and well) is not trivial... It must be done correctly or nothing works right and you might screw-up other users of the same net... but IMHO, it is worth the steep learning curve!

\*\*\*\*\*  
\* Jack Spitznagel \* As a curmudgeon, I speak for \*  
\* Internet: jks@giskard.uthscsa.edu \* no man, everyman, and my \*  
\* AMPRNet: kd4iz@kd4iz.ampr.org \* opinions are none of your \*  
\* CIS: 76044,476 \* business. Those I will gladly \*  
\* Tel: (210) 567-6616 \* share. All else is random. \*  
\* Foot: 29.41'N 98.38'W \* (C) 1993 \*  
\*\*\*\*\*

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Date: Wed, 23 Jun 1993 17:57:45 GMT  
From: netcomsv!netcom.com!btoback@decwrl.dec.com  
Subject: TNC/Multi-Mode Controller Recommendations  
To: packet-radio@ucsd.edu

I'm looking to start working with packet radio, and I'd like some recommendations on TNCs and/or multi-mode controllers. All I really have to go on are advertisements.

I'd like to use it for HF and VHF, and will be doing some experimentation with network gateways and with different protocols in the future. Meanwhile, I'd like something that will work fine as a "black box" until I get time to put together the code for the new protocols. Whatever hardware I get should be usable with TCP/IP.

It looks like the MFJ 1270 is great; it seems to do everything and then some. Yet the Kantronics KAM-Plus is about the same price, and doesn't do SSTV; this makes me wonder about the price of the KAM-Plus \_and\_ the quality of the 1270. Then there's the stuff from AEA; I can't find any hard data about them, as their ads aren't very informative. And I'm sure I'm missing a few. What features should I look for?

A modem-only solution with all of the protocol being handled by the computer would be fine as well, but I haven't seen any plain ol' modems advertised.

Thanks for any advice,  
-- Bruce Toback

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Date: Thu, 24 Jun 1993 04:18:18 GMT  
From: world!rogerw@uunet.uu.net  
To: packet-radio@ucsd.edu

References <C8FqJs.1Hr@zeno.fit.edu>, <dmcreyno-110693082520@134.5.142.4>,  
<m2heb1INN95v@exodus.Eng.Sun.COM>

Subject : Re: Digital microwave project

bender@oobleck.zip (Duke of Canterbury) writes:

>| Oh, definitely a trapazoidal toothed log-periodic antenna array. I think  
>| radio shack sells these.

>Not any more. They used to, but the guy said that they dropped them about  
>the same time that they dropped the "Klystrons for Kids" 30-in-1 science kit.

Actually, I bought my last log-periodic toothed planar antenna at the  
local True-Value hardware store (they called it \*copper flashing\*, but  
I knew better :-)

BTW, this \*is\* alt.flame.lockheed.weenies, isn't it?

Roger Williams	"Most great discoveries are made
rogerw@world.std.com	by accident: the larger the
consulting engineer	funding, the longer it takes to
Middleborough, Mass.	have that accident."

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End of Packet-Radio Digest V93 #181

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